

# PATENT ABSTRACTS OF JAPAN

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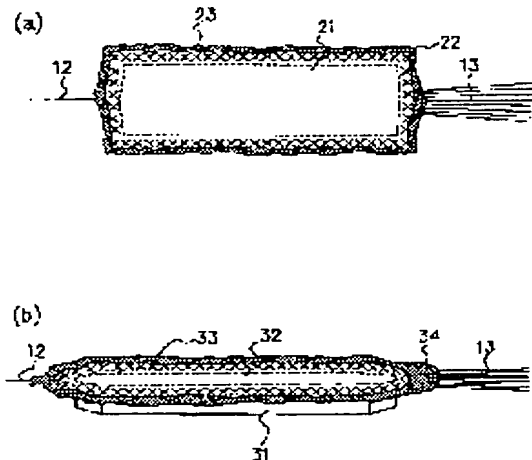
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## (54) PLANAR LIGHT WAVE CIRCUIT MODULE

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a planar light wave circuit module which saves labor in making a sturdy expensive package, which greatly reduces the number of processes and components necessary for sealing the circumference of an optical fiber, and which has a remarkably high degree of airtightness compared with a simpler conventional resin sealing.

**SOLUTION:** The planar light wave circuit module body has a planar light wave circuit, a single core fiber 12 connected thereto, and an 8-core tape fiber 13, with a ribbon-forming secondary coat peeled, separated into single pieces of optical fibers, and made only a primary coat; this module body is stored between two steam barrier films 21 laminated with an aluminum foil and polyethylene in dry nitrogen gas, and is heat-sealed 22 with an interval constantly held between the optical fibers of the 8-core tape fiber 13, and with a sealant 23 applied around the sealing part and hardened to form the airtight module.



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